

CURRICULUM VITAE

FEI HUANG

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EDUCATION:

Ph.D., Biochemistry, August 1992, The City University of New York
M.S., Biochemistry, May 1991, The City University of New York
B.S., Biology, July 1982, Wuhan University, China

PROFESSIONAL EXPERIENCE:

July 2004—Present **Senior Research Investigator II**, Pharmacogenomic and Human Genetics, Clinical Discovery Department, Bristol-Myers Squibb Company

Sept.2001—Jun. 2004 **Senior Research Investigator I**, Pharmacogenomic and Human Genetics, Clinical Discovery Department, Bristol-Myers Squibb Company

July,1999 — Sept.2001 **Research Investigator II**, Applied Genomics Department, Bristol-Myers Squibb Company

Jan.—Jun. 1999 **Staff Scientist**, Regeneron Pharmaceuticals, Inc.

1997 — 1998 **Scientist**, GenQuest, Inc.

1995 — 1997 **Postdoctoral Research Fellow**, Laboratory of Cellular and Molecular Neurophysiology/ NICHD / NIH

1992 — 1995 **Postdoctoral Research Fellow**, Memorial Sloan-Kettering Cancer Center, New York

1987 — 1992 **Research Associate**, Department of Chemistry, The City College of New York

1982 — 1987 **Research Assistant**, Institute of Genetics, Chinese Academy of Sciences, China

HONORS:

Recipient of University Fellowship (CUNY, 1987)
Recipient of Donald Sloan Fellowship (CCNY, 1992)
Recipient of Intramural Research Award (NIH, 1995, 1996)

PATENTS: 17 patent applications filed

- 1 patent for colon tumor progression biomarkers
- 1 patent for 36 genes significantly contributes to established prognostic factors for breast cancer
- 3 patents of pharmacogenomic markers for predicting response to drugs.
- 2 patents for compositions and methods for detecting and treating prostate and breast cancers.

Exhibit A

- 2 patents for compounds and methods for cancer diagnosis and therapy.
- 8 patents for differentiation-associated sequences and methods of use therefor.

PUBLICATIONS:

- 1) Moshe Talpaz, Neil P. Shah, Hagop Kantarjian, Nicholas Donato, John Nicoll, Ron Paquette, Jorge Cortez, Susan O'Brien, Claude Nicaise, Eric Bleickardt, M. Anne Blackwood-Chirchir, Vishwanath Iyer, Tai-Tsang Chen, Fei Huang, Art Decillis, Charles L. Sawyers. Dasatinib in Imatinib-Resistant Philadelphia Chromosome-Positive Leukemias. *New England Journal Medicine*, June 15, 2006, 354 (24):2531-41
- 2) Per Hall, Alexander Ploner, Judith Bjöhle, Fei Huang, Chin-Yo Lin, Edison T. Liu, Lance D. Miller, Yudi Pawitan, Peter Shaw, Lambert Skoog, Johanna Smeds, Sara Wedren, John Öhd, Jonas Bergh. Hormone-replacement therapy influences gene expression profiles and is associated with breast-cancer prognosis: a cohort study. *BMC Medicine* 2006, 4:16
- 3) Yudi Pawitan, Judith Bjöhle, Lukas Amler, Anna-Lena Borg, Suszanne Egyhazi, Per Hall, Xia Han, Lars Holmberg, Fei Huang, Sigrid Klaar, Ed Liu, Lance Miller, Hans Nordgren, Alexander Ploner, Kerstin Sandelin, Peter Shaw, Johanna Smeds, Lambert Skoog, Sara Wedrén, Jonas Bergh. Gene expression profiling spares early breast cancer patients from adjuvant therapy - derived and validated in two population based cohorts. *Breast Cancer Res.* 2005 Oct 3;7(6):R953-R964
- 4) Ayan Banerjea, Shafi Ahmed, Rebecca E Hands, Fei Huang, Xia Han, Peter M Shaw, Roger M Feakins, Stephen A Bustin and Sina Dorudi. Colorectal Cancers with Microsatellite Instability Display mRNA Expression Signatures Characteristic of Increased Immunogenicity. (2004). *Molecular Cancer*. Aug. 06, 3(1):21
- 5) Pawitan Y, Bjöhle J, Wedrén S, Humphreys K, Skoog P, Huang F, Amler L, Shaw P, Hall P and Bergh J. Gene expression profiling for prognosis using Cox regression (2004). *Statistics in Medicine*. Jun 15;23(11):1767-80.
- 6) Suzanne Egyházi, Judith Bjöhle, Lambert Skoog, Fei Huang, Anna-Lena Borg1, Marianne Frostvik Stolt, Torsten Hägerström, Ulrik Ringborg and Jonas Bergh. Proteinase K added to the extraction procedure markedly increased RNA yield from primary breast tumors for use in microarray studies (2004) *Clinical Chemistry* 50(5):975-6
- 7) Chew, L., Yuan, X., Scherer, S., Qie, L., Huang, F., Hayes, W., and Gallo, V. Characterization of the rat GRIK5 kainate receptor subunit gene promoter and its intragenic regions involved in neural specificity (2001). *Journal of Biological Chemistry*. 276: 42162-42171
- 8) Huang F., Adelman J., Jiang H., Goldstein N.I., Fisher PB. Differentiation induction subtraction hybridization (DISH): a strategy for cloning genes displaying differential expression during growth arrest and terminal differentiation. *Gene*. 236(1):125-31, 1999
- 9) Huang, F. Adelman, J, Jiang HP, Goldstein N and Fisher Paul B., Identification and temporal expression pattern of genes modulated during irreversible growth arrest and terminal differentiation in human melanoma Cells (1999) *Oncogene* 18(23):3546
- 10) Chew, LJ., Huang, F., Boutin, J-M, and Gallo, V. Identification of Nuclear Orphan Receptors as Regulators of Expression of a Neurotransmitter Receptor Gene (1999). *Journal of Biological Chemistry* 274: 29366-29375
- 11) Huang, F. and Gallo, V., Gene Structure of the Rat Kainate Receptor Subunit KA2 and Transcriptional Analysis of an Infragenic Negative Regulatory Region (1997) *Journal of Biological Chemistry* 272: 8618-8629
- 12) Huang, F., Newman, E., Kerble, R., and Friedman, E., TGF β 1 is an Autocrine Positive Regulator of Colon Carcinoma U9 Cells *In Vivo* as Shown by Transfection of a TGF β 1 Antisense Expression Plasmid (1995) *Cell Growth and Differentiation* 6: 1635-1642

Exhibit A

- 13) Huang, F., Sauma, S., Yan, Z., and Friedman, E., Colon Absorptive Epithelial Cells Lose Proliferative Response to TGF α as They Differentiate (1995) Experimental Cell Research 219: 8-14
- 14) Hsu, S., Huang, F., and Friedman, E., PDGF- β Increases Colon Cancer Cell Growth *in vivo* by a Paracrine Effect (1995) Journal of Cellular Physiology 165: 239-245
- 15) Hsu, S., Huang, F., Ossowski, L., and Friedman, E., Colon Carcinoma Cells with Inactive nm23 Show Increased Motility and Response to Motility Factors (1995) Carcinogenesis 16 (9): 2259-2262
- 16) Sauma, S., Huang, F., Winawer, S., and Friedman, E., Colon Goblet Cells Lose Proliferative Response to TGF α as They Differentiate (1995) International Journal of Cancer 61: 848-853
- 17) Huang, F., Hsu, S., Yan, Z., Winawer, S., Friedman, E., The Capacity for Growth Stimulation by TGF β 1 Seen Only in Advanced Colon Cancers Cannot be Ascribed to Mutations in APC, DCC, p53, or ras (1994) Oncogene 9 (12): 3701-3706
- 18) Hsu, S., Huang, F., Wang, L., Banerjee, S., Winawer, S., and Friedman, E., The Role of nm23 in TGF β 1-mediated Adherence and Growth Arrest (1994) Cell Growth & Differentiation 5: 909-917
- 19) Hsu, S., Huang, F., Hafez, M., Winawer, S., and Friedman, E., Colon Carcinoma Cells Switch Their Response to TGF β 1 with Tumor Progression (1994) Cell Growth & Differentiation 5: 267 — 275
- 20) Huang, F., Coppola, G., and Calhoun, D., Multiple Transcripts Encoded by the *ilvGMEDA* Gene Cluster of *Escherichia coli* K-12 (1992) Journal of Bacteriology 174 (15): 4871—4877
- 21) Coppola, G., Huang, F., Riley, J., Cox, J., Hantzopoulos, P., Zhou, L., and Calhoun, D., Sequence and Transcriptional Activity of the *Escherichia coli* K-12 Chromosome region between *rrnC* and *ilvGMEDA*, (1991) Gene 97: 21— 27
- 22) Zhang, K., Huang, F., and Li, J., Analysis of Heat Shock Proteins of Male Sterile Sorghum by Electrophoresis. (1986) Acta Genetica Sinica, China 13(4): 266—276